

Connecticut's Greenhouse Gas Reporting Requirements & 2008 GHG Emissions Survey

Who is required to report?

The Commissioner is requiring all Title V permit holders to report Greenhouse Gas (GHG) emissions related to the operation of their Title V permitted units in order to produce and maintain a GHG inventory as required by Public Act 08-98, the Connecticut Global Warming Solutions Act¹. This Commissioner is authorized by Section 22a-174-4(d)1 of the Regulations of Connecticut State Agencies².

What emissions are covered by these reporting requirements?

Companies must report emissions of each of the following six GHGs:

- carbon dioxide (CO₂);
- nitrous oxide (N₂O);
- methane (CH₄);
- hydrofluorocarbons (HFCs);
- perfluorocarbons (PFCs);
- sulfur hexafluoride (SF₆).

What methodologies should be used to calculate GHG emissions?

Most of the GHG emissions from stationary sources in Connecticut are the result of the combustion of fossil fuel. Based on the annual fuel consumption data submitted to DEP in the 2008 Title V Air Emissions Statement, DEP will calculate CO₂, N₂O and CH₄ emissions from Title V combustion units using standardized emissions factors. Sources do not need to calculate and submit this category of GHG emissions.

Sources are responsible for calculating and reporting all non-combustion-related emissions of CO₂, N₂O, CH₄, HFCs, PFCs and SF₆ that are emitted from Title V units and related activities. See the grid on the reverse side of this page for more potential sources of GHG emissions.

Where can additional guidance materials be found?

<http://www.epa.gov/otaq/climate/>

If you have questions regarding your company's GHG reporting requirements, contact Peter Brunelli at 860-424-3536 or at peter.brunelli@po.state.ct.us.

Please complete and return the GHG Emissions Survey located on the back of this sheet.

¹ <http://www.cga.ct.gov/2008/ACT/PA/2008PA-00098-R00HB-05600-PA.htm>

² <http://www.ct.gov/dep/lib/dep/regulations/22a/22a-174-1through200.pdf>

2008 GHG Emissions Survey: Please complete the form below and return this sheet by March 2, 2009 with your 2008 Title V Air Emissions Statement forms.

Owner/Operator Name:	Town #:	Premise #:
Contact Name, Phone Number:		

UNIT ID (DEP registration or permit #)	CO ₂ , N ₂ O & CH ₄ from combustion sources	other CO ₂ , (from non- combustion sources) (tons)	other N ₂ O (from non- combustion sources) (tons)	other CH ₄ (from non- combustion sources) (tons)	HFCs (tons)	PFCs (tons)	SF ₆ (tons)
	Emissions of CO ₂ , N ₂ O & CH ₄ from Title V combustion units will be calculated by DEP utilizing fuel consumption data from the 2008 Air Emissions Statement.						

If source has additional GHG emissions from operations not covered under Title V, please provide further details below or include additional documentation (i.e., description of operation, types of GHGs emitted).

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Potential Sources of Greenhouse Gas Emissions

	CO ₂	N ₂ O	CH ₄	PFC	HFC	SF ₆
Energy						
Fuel Combustion	x	x	x			
Oil and Natural Gas Production	x		x			
Electric Power Transmission						x
Industrial						
Cement Production	x					
Halocarbon Production and Consumption				x	x	
Limestone Production and Use	x					
Agriculture						
Enteric Fermentation and Manure Management	x		x			
Field Burning of Agricultural Residues	x					
Land Use and Forestry						
On-Site Burning of Forests	x	x	x			
Waste						
Waste Disposal	x		x			
Wastewater Handling			x			
Human Sewage		x				
Landfill Gas Combustion (Flares)	x					